AT-GRADE MOUND SEWAGE DISPOSAL SYSTEM
INSPECTION CHECKLIST

I. Preconstruction Meeting and Site Preparation

Date: _____

A. MDE Certified Installer Name

_____

B. MDE Certified Installer Present for entire construction

_____

C. Mound & gravel bed staked out on contour _____

D. No compaction by heavy equipment: _____

1. Within perimeter of mound _____
2. Downslope from mound by 25 ft _____
3. Within sewage disposal area _____

E. Vegetation cut and carefully removed _____

F. Trees, if present, cut off at ground level stumps left in place _____

G. Soil moisture level low enough to permit construction and not frozen _____

H. Soil plowed or scarified to suitable depth and perpendicular to slope _____

I. Location of BAT unit/septic tank(s) and _____
pumping station properly staked out and in _____
suitable locations

II. Construction

A. BAT units or Septic Tank(s) Date: _____

1. Number of tanks _____
2. Tank type and construction meet specification (top-seam, 2 compartmented, baffled, etc.)
3. Capacity requirements met _____
4. Proper installation _____

   (bedded, level, turned proper direction)
5. Inlet and outlet pipes at proper elevations and watertight _____
6. Baffles/filters properly installed if required _____
7. Tank watertightness checked _____

   a. Certified by Supplier _____

   b. Weep hole sealed if present _____

   c. 24-hour leakage test conducted if necessary _____

   d. Proper vacuum test conducted _____

   e. Risers to tank lids watertight and 6 inches above finished grade _____

_____

B. Pump Chamber Date: _____

1. Dimensions meet specifications _____
2. Six-inch block present under pump _____
3. Control panel and alarm meets specifications _____
4. Event counter/elapsed time meter/
   flow meter installed, if required _____
5. Proper float elevations _____
6. Check Valve/disconnect/siphon hole present
   (if required) _____
7. Proper elevation of influent pipe _____
8. Pipes through tank walls watertight _____
9. Valves meet specifications if applicable (gate valve etc) _____
10. Tank joints/seams above seasonal high water level _____
11. Manhole Access provided and 6 inches _____
    above finished grade _____
12. One-day design flow storage capacity above _____
    high level alarm _____
13. Force main diameter as specified _____
14. High water alarm on separate circuit _____
15. Manhole Riser to lid watertight__ _____

C. Absorption Area Date: _____

1. Gravel meets specifications _____
2. Gravel brought to proper elevation prior to placement of laterals _____
3. Gravel covers entire bed area _____
4. Bed at the proper dimensions _____
5. Absorption bed level _____
6. Six-inches of suitable gravel under distribution laterals _____

D. Distribution System Date: _____

1. Pressure fittings used at joints _____
2. Fittings adequately bonded _____
3. Proper diameter of manifold _____
4. Proper diameter of lateral piping _____
5. Proper diameter of lateral perforations _____
6. Proper spacing of lateral perforations _____
7. Perforations oriented downward _____
8. End perforation suitable _____
9. Two-inch gravel to cover laterals _____
10. Distribution system checked under Pressure for leakage _____

E. Final Placement of Fill and Topsoil Date: _____

1. Spun geotextile fabric covers entire gravel layer _____
2. Tapered cap present:
   - A. Twelve-inches depth _____
   - B. Extends min. five feet from edges of gravel bed _____
3. Top soil Cover:
   - A. Acceptable quality _____
   - B. Present and graded _____
   - C. Seeded/Straw/Sod _____
   - D. Mulched, if applicable _____
4. Sides no steeper than 3:1 slope _____

F. Monitoring Appurtenances Date: _____

1. Observation ports:
   - A. Proper location and number _____
   - B. Installed to proper depth _____
   - C. Properly Anchored _____

2. Lateral turn-ups in place and sleeved in larger diameter pipes or boxes _____

G. Site Drainage (if required) Date: _____

1. Surface water diversion _____

2. Curtain drain _____

3. Vertical drain _____

III. Pumping System Test Date: _____

A. Pump-on switch is operational _____

B. Pump-off switch is operational _____

C. Timers set if applicable _____

D. High level alarm switch is operational _____

E. Volume of drawdown corresponds with specified dose

_____

F. System achieves specified pressure _____

IV. Comments: